

ALBATRAZ SIGNAL ESTABLISHMENT

Specification AD/OV1163/Issue 3. Dated 13.6.47. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE:-</u> Double Triode.  <u>CATHODE:-</u> Directly Heated.  <u>ENVELOPE:-</u> Glass; Unmetallised.  <u>PROTOTYPE:-</u> PM2BA.	<u>MARKING</u>  See K1001/4.
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<u>RATING</u>	Note	<u>BASE AND CONNECTIONS</u> B7 See K1001/AIV/D5.	
Filament Voltage (V) 2.0 Filament Current (A) 0.21 Max. Anode Voltage (V) 100 Mutual Conductance (mA/V) 1.5 Amplification Factor 6.0 Anode Impedance ( $\Omega$ ) 4000 Mean Anode Current (mA) 18			Pin
		1	G1
		2	G2
		3	A2
	A	4	Filament
	A	5	Filament
	A	6	No connection
	A	7	A1
		<u>DIMENSIONS</u> See K1001/AI/D1.	
		Dimension	Min.      Max.
		A mm	-      113
		B mm	-      47

<u>NOTE</u>	<u>PACKING</u> See K1001/7.
A. These ratings are for each triode with:- $V_a = 100$ V, and $V_g = 0$ V.	

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions				* Test	Limits		No. Tested	Note
	Vf (V)	Va (V)	Vg (V)	Ia (V)		Min.	Max.		
	a	2.0	-	-		-	If (A)		
b	2.0	100	0	= x (say)	Ia (mA)	14	21	100%	1
c	2.0	100	0 to -4	-	Ia change (mA)	5.0	8.0	100%	1
d	2.0	Ad- justed	-4	x	Va (V)	120	130	100% or S	1
e	Ad- justed so that If = 0.21A.	86	0	-	Difference between Ia (Triode 1) and Ia (Triode 2) (mA)	-	1.0	100%	2
		86	-4	-		-	1.0		2
		86	-8	-		-	1.0		2
f		86	-5	-	Variation in difference between Ia (Triode 1) and Ia (Triode 2) (mA)				
	If varied by $\pm 1\%$ about the value of 0.21A.					-	0.05	100%	2
g	0.21	86	-5	-	Ig ( $\mu$ A)	-	0.05	100%	2

NOTES

1. Tests 'b', 'c' and 'd' to be applied to each triode separately.
2. Tests 'e', 'f' and 'g' to be applied to both triodes simultaneously. The potentials given apply to the two corresponding electrodes.